

# NORTH DAKOTA CROP, LIVESTOCK & WEATHER REPORT



North Dakota  
Agricultural  
Statistics Service

Released: July 28, 2003  
For Week Ending: July 27, 2003  
ND-CW3003

Cooperating With:  
NDSU EXTENSION SERVICE,  
FARM SERVICE AGENCY,  
ND AG WEATHER NETWORK (NDAWN) and  
UND AEROSPACE REGIONAL WEATHER  
INFORMATION CENTER

**General:** Hot, dry weather last week caused most crop condition ratings to decline, according to the North Dakota Agricultural Statistics Service. The hot, dry weather allowed the harvest to begin on early seeded small grains. A statewide average of 6.9 days were suitable for fieldwork.

Statewide, topsoil moisture supplies on July 27 declined 18 percentage points from the previous week in the adequate to surplus rating. Current ratings were 11 percent very short, 33 short, 50 adequate and 6 surplus compared to last year's 16 percent very short, 34 short, 48 adequate and 2 surplus.

**Crops:** Hot, dry conditions continued to push most small grain development ahead of last year and the five-year (1998-2002) average. As of July 27, 49 percent of the hard red spring wheat crop was turning and beyond compared to 43 percent last year and the average of 43 percent. Durum wheat was 25 percent turning and beyond, ahead of last year and the average. Sixty-three percent of the barley acreage was turning and beyond compared to 40 percent last year and the average of 46 percent. Some small grains are being reported cut for hay in the southwest part of the state.

Small grain crop condition ratings, although down from last week, continue to be better than last year. Hard red spring wheat condition ratings as of July 27 were 2 percent very poor, 6 poor, 20 fair, 54 good and 18 excellent compared to last year's 9 percent very poor, 15 poor, 37 fair, 35 good and 4 excellent. Durum wheat condition ratings were 2 percent very poor, 5 poor, 26 fair, 59 good and 8 excellent compared to 4 percent very poor, 14 poor, 45 fair, 36 good and 1 excellent last year. Barley condition ratings were 80 percent good to excellent compared to 48 percent good to excellent last year.

Development of most late season and oilseed crops lag behind last year and the average. Sixty-six percent of the corn crop was tasseling, compared to 70 percent last year and the average of 67 percent. Soybeans were 41 percent podding and beyond compared to 56 percent last year and the average of 45 percent. Nine percent of the canola was swathed and beyond compared to 3 percent last year and the average of 4 percent. Fourteen percent of the flaxseed was turning and beyond, ahead of last year and the average.

Late season and oilseed crop condition ratings continue to be better than last year. Corn was rated 73 percent good to excellent compared to 55 percent good to excellent last year. Soybeans were rated 76 percent good to excellent compared to 61 percent good to excellent last year. Sunflowers were rated 71 percent good to excellent compared to 53 percent good to excellent last year.

**Livestock:** The dry conditions continue to take their toll on the pastures and rangeland in the southwest and south central districts. Pasture conditions were rated 47 percent good to excellent, down from 62 percent good to excellent last week, but up from 15 percent good to excellent last year. Stockwater supplies were rated 2 percent very short, 18 short, 78 adequate and 2 surplus compared to 19 percent very short, 22 short, 58 adequate and 1 surplus last year. Second cutting alfalfa was 29 percent complete while other hay harvest was 81 percent complete. Some producers were not able to get a second cutting of alfalfa due to the dry conditions in the western half of the state. The hay crop was rated 54 percent good to excellent compared to 9 percent good to excellent last year.

Crop Development Progress <sup>1/</sup>  
July 27, 2003 with Comparisons

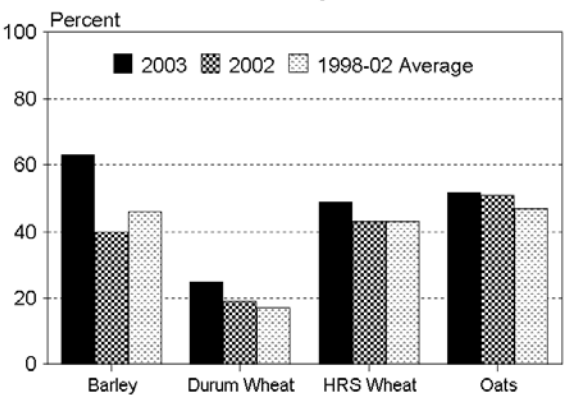
Crop	This Week	Last Week	Last Year	1998-02 Avg.
(Percent)				
BARLEY				
Headed	98	92	96	95
Milk	86	69	82	81
Turning	63	35	40	46
Combined	3	NA	1	2
DURUM WHEAT				
Boot	96	88	96	94
Headed	86	69	88	85
Milk	54	36	50	53
Turning	25	12	19	17
Combined	0	NA	1	0
HRS WHEAT				
Headed	97	88	96	94
Milk	81	58	76	77
Turning	49	26	43	43
Combined	1	NA	2	1
OATS				
Headed	97	91	95	94
Milk	83	63	81	80
Turning	52	27	51	47
Combined	2	0	4	3
CANOLA				
Turning	46	17	29	36
Swathed	9	NA	3	4
CORN				
Tasseling	66	28	70	67
Dough	3	0	3	4
DRY EDIBLE BEANS				
Blooming	78	54	87	86
Podding	31	5	30	40
FLAXSEED				
Blooming	95	86	96	93
Turning	14	5	10	11
POTATOES				
Blooming	94	73	86	92
Rows Filled	71	51	81	85
SOYBEANS				
Blooming	84	59	94	83
Podding	41	10	56	45
Fully Podded	0	NA	17	7
SUNFLOWER				
Blooming	8	2	10	10

<sup>1/</sup> Crop development percents represent all acreage in or beyond each stage.

Crop and Pasture Condition  
Week Ending July 27, 2003

Crop	Very Poor	Poor	Fair	Good	Excellent
(Percent)					
Barley	1	4	15	61	19
Durum Wheat	2	5	26	59	8
HRS Wheat	2	6	20	54	18
Oats	2	10	26	52	10
Canola	1	2	17	56	24
Corn, All	3	6	18	58	15
Dry Edible Beans	0	4	17	65	14
Flaxseed	1	2	21	60	16
Potatoes	0	2	14	73	11
Soybeans	2	6	16	59	17
Sugarbeets	0	2	20	69	9
Sunflowers	1	3	25	56	15
Hay	1	6	39	44	10
Pasture and Range	3	18	32	40	7

Small Grains Turning and Beyond  
North Dakota, July 27, 2003



~ Compiled and Published by ~

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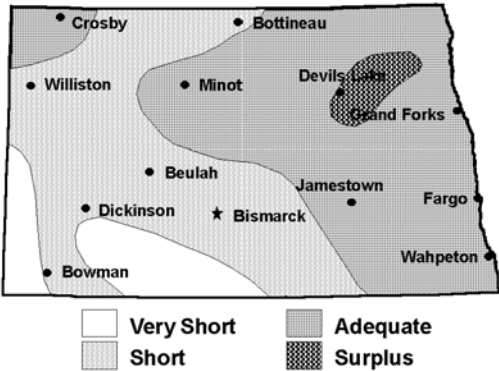
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NORTH DAKOTA CROP WEATHER REPORT, Week Ending July 27, 2003

Soil Moisture: North Dakota, July 27, 2003

Date	V. Short	Short	Adq.	Surplus
(Percent)				
TOPSOIL				
This Week	11	33	50	6
Last Week	5	21	64	10
Last Year	16	34	48	2
98-02 Avg	6	20	66	8
SUBSOIL				
This Week	9	26	58	7
Last Week	6	19	65	10
Last Year	17	29	51	3
98-02 Avg	6	16	68	10

Topsoil Moisture Supplies  
July 27, 2003



**Weather:** The weather across North Dakota this past week was very hot and quite dry. The 100 degree mark was eclipsed many times across the western half of the state. Bowbells, Williston, Hazen, Watford City, Beach, Bowman, Dickinson, Hettinger, Mandan and Linton all passed the 100 degree mark. The hot spot for the week was a tie between Beach and Hettinger who reached 105 degrees. While the west was experiencing all the heat, the east was still quite warm but nothing that would be considered abnormal for late July with temperatures generally in the 80s. As for precipitation, it was quite dry. Dickinson received the most rain with 0.25 of an inch over the past week, still quite dry for the season as are most stations in the west.

**Outlook, July 28-August 3:** The week will start off hot and dry with 90s out west and upper 80s in the east. A cold front will slide across the region bringing some showers and thunderstorms as well as some relief from the heat for Tuesday. The middle part of the week looks to be cooler and drier with highs in the 80s in the west and 70s far east. Things look to be warming up again as we approach the weekend with temps rising back into the 80s and 90s with the possibility of scattered thunderstorms for Friday.

Temperature & Precipitation: Districts and Stations  
North Dakota, Week ending July 27, 2003

District Averages	Average Temperature		Seasonal Precipitation Beginning March 29		
	Past Week	Depart Normal <sup>1/</sup>	Past Week	Total	Depart Normal <sup>1/</sup>
		(Degrees F)			
Northwest (1)	74	5	0.01	6.34	-2.60
N. Central (2)	70	2	0.01	6.12	-3.32
Northeast (3)	67	-2	0.00	8.67	-0.46
W. Central (4)	75	4	0.00	7.79	-1.80
Central (5)	69	-1	0.01	10.75	0.93
E. Central (6)	68	-3	0.00	10.26	0.28
Southwest (7)	77	6	0.14	6.61	-2.74
S. Central (8)	77	5	0.03	8.35	-0.60
Southeast (9)	71	-1	0.00	12.89	2.96

<sup>1/</sup> Normal is the 1961-90 average. NA = Not Available.  
Weather data collected from NDAWN stations and compiled by UND  
Aerospace Regional Weather Information Center.

Temperature & Precipitation: Districts and Stations  
North Dakota, Week ending July 27, 2003

Stations by District	Temperature Past Week		Seasonal Precipitation Beginning March 29		
	High	Low	Past Week	Total	Depart Normal <sup>1/</sup>
		(Degrees F)			
(1) Bowbells	101	49	0.00	4.69	-3.88
Williston	100	53	0.01	6.52	-1.03
Mohall	94	49	0.02	6.95	-2.10
Minot	96	51	0.00	7.19	-2.24
(2) Baker	86	53	0.00	6.71	-4.06
Bottineau	92	47	0.00	5.24	-4.09
Towner	95	47	0.02	6.42	-1.82
(3) Cando	82	51	0.00	8.36	-0.42
Cavalier	86	52	0.00	9.04	-0.57
Forest River	84	52	0.00	8.58	-0.77
Grand Forks	83	52	0.00	9.95	1.17
Langdon	82	51	0.00	7.80	-1.09
St. Thomas	85	51	0.00	8.29	-1.06
(4) Hazen	100	48	0.01	7.91	-2.27
Turtle Lake	97	51	0.00	9.59	-0.21
Watford City	102	52	0.00	5.88	-2.92
(5) Carrington	83	51	0.00	10.27	0.44
Harvey	88	52	0.00	10.35	0.57
Jamestown	73	55	0.00	13.27	3.74
Robinson	90	53	0.00	9.75	0.12
Streeter	95	53	0.05	10.11	-0.22
(6) Dazey	83	51	0.00	9.05	-1.18
Fargo	85	55	0.00	10.33	0.83
Hillsboro	84	52	0.00	11.39	1.19
(7) Beach	105	51	0.20	8.36	0.15
Bowman	104	50	0.00	5.80	-3.73
Dickinson	104	50	0.25	6.66	-2.94
Hettinger	105	47	0.10	5.61	-4.46
(8) Mandan	101	52	0.05	8.19	-0.31
Linton	101	55	0.00	8.51	-0.88
(9) Edgeley	90	56	0.00	12.39	2.06
Oakes	86	54	0.00	13.88	4.34
Wyndmere	85	52	0.00	12.40	2.47

<sup>1/</sup> Normal is the 1961-90 average. NA=Not Available.  
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